CSE 566 Software Project, Process and Quality Management

Dr. James S. Collofello  
Associate Dean of Academic and Student Affairs  
Professor, Department of Computer Science and Engineering  
Ira A Fulton School of Engineering  
Tempe, Arizona  85287  

ASU Office:  BY 698  
e-mail:  collofello@asu.edu  
Phone:  (480) 965-3733  
Fax:  (480) 965-8095

Topics

* software development process models

* software configuration management  
  - configuration identification and control  
  - error tracking  
  - configuration management tools

* risk management  
  - risk identification  
  - risk prioritization  
  - risk mitigation

* software project management  
  - development team approaches  
  - management strategies  
  - development plans  
  - cost estimation  
  - scheduling  
  - tracking progress  
  - project management tools

* software acquisition management
* software process management
  - SEI CMMI
  - standards
  - software process improvement

* software quality management
  - quality function deployment
  - quality metrics
  - software quality standards
  - statistical quality control
  - quality assurance tools

**Student Evaluation**

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
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<tbody>
<tr>
<td>2 Exams</td>
<td>70%</td>
</tr>
<tr>
<td>5 Homework / Projects</td>
<td>30%</td>
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Students in CSE 566 are responsible for acting with honesty and integrity as described in the ASU Academic Integrity Policy and Procedures.

[http://provost.asu.edu/academicintegrity](http://provost.asu.edu/academicintegrity)

Violations in this course may lead to sanctions ranging from a zero grade to expulsion from the university.